

PATENT
81754.0120

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yoshihiro OGATA

Serial No: 10/812,346

Filed: March 29, 2004

For: Semiconductor Device, Electronic
Device, Electronic Appliance, and
Method of Manufacturing A
Semiconductor Device

Art Unit: 2811

Examiner: PAREKH, N.

I hereby certify that this correspondence
is being deposited with the United States
Postal Service with sufficient postage as
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450, on
June 1, 2005

Date of Deposit

Shingde Ferguson

Name

Signature

Date

TRANSMITTAL OF POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is the following:

- ☒ An executed Power of Attorney (PTO/SB/80)
- ☒ Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- ☒ A copy of the Assignment
- ☒ A copy of the Recordation Form Cover Letter
- ☒ A copy of the Notice of Recordation of Assignment Document

The Commissioner is authorized to charge any underpayment to our Deposit Account
No. 50-1314. A copy of this letter is enclosed.

Respectfully submitted,

Date: June 1, 2005

By: Lawrence J. McClure

Lawrence J. McClure

Registration No. 44,228

Attorney for Applicant(s)

HOGAN & HARTSON L.L.P.

500 South Grand Avenue, Suite 1900

Los Angeles, California 90071

Phone: 213-337-6700

Fax: 213-337-6701



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

26021

OR



Practitioner(s) named below:

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records of assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

26021

OR



Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

Assignee Name and Address:

Seiko Epson Corporation
3-5, Owa 3-Chome, Suwa-shi
Nagano-ken, 392-8502 Japan

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

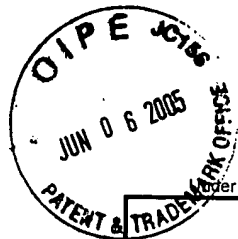
SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

| | | | |
|-----------|---------------------|-----------|----------------|
| Signature | | Date | April 11, 2005 |
| Name | Masatake KAMIYANAGI | Telephone | |
| Title | Director | | |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Yoshiharu OGATA

Application No./Patent No.: 10/812,346 Filed/Issue Date: March 29, 2004

Entitled: Semiconductor Device, Electronic Device, Electronic Appliance, and Method of Manufacturing A Semiconductor Device

SEIKO EPSON CORPORATION

(Name of Assignee)

a CORPORATION

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

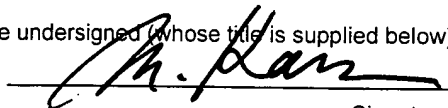
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The document was recorded in the United States Patent and Trademark Office at
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2. From: _____ To: _____
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Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

February 1, 2005

Date

Masataka Kamiyanagi, Director

Printed or Typed Name

Telephone Number

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE

SEINE EPSON/TMS

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 01, 2005

PTAS



102805961A

HOGAN & HARTSON L.L.P.
ANTHONY J. ORLER, ESQ.
500 SOUTH GRAND AVENUE
STE. 1900
LOS ANGELES, CA 90071

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/02/2004

REEL/FRAME: 015631/0036
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 81754.0120

ASSIGNOR:
OGATA, YOSHIHARU

DOC DATE: 06/29/2004

ASSIGNEE:
SEIKO EPSON CORPORATION
4-1 NISHI-SHINJUKU 2-CHOME
SHINJUKU-KU, TOKYO, JAPAN

SERIAL NUMBER: 10812346
PATENT NUMBER:

FILING DATE: 03/29/2004
ISSUE DATE:

TITLE: SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE, ELECTRONIC APPLIANCE, AND
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE

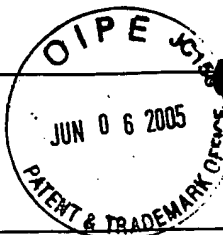
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015631/0036 PAGE 2

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08-04-2004



LETTER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 81754.0120

102805961

To the Assistant Commissioner

enclosed are the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiharu OGATA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

SEIKO EPSON CORPORATION
4-1, Nishi-shinjuku 2-chome,
Shinjuku-ku, Tokyo, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: June 29, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/812,346

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Anthony J. Orler, Esq.
HOGAN & HARTSON L.L.P.
500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Anthony J. Orler

Date: July 30, 2004

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

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08/03/2004 MGETACHE 00000130 10812346

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40.00 OP

譲渡証 (Translation/日本語訳)

下記に署名した私/私達、

尾形 義春 は、

ある発明を創出し、これについて合衆国特許出願は

- ☐ ここに私/私達により署名され、
☐ _____ に私/私達により (それぞれ) 署名され、
☒ 2004 年 3 月 29 日に出願され、出願番号 10/812,346 が交
付され、
☐ PCT 国際出願 _____ として _____ に出願され、

その発明は

半導体装置、電子デバイス、電子機器および半導体装置の製造
方法

という名称である。そして、ここにその受領を認める対価で：
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約、法令、協定（将来制定されるものを含む）に基づく全ての
優先権を伴う一切の権利；を、日本国東京都新宿区西新宿 2 丁
目 4 番 1 号に住所を有するセイコーエプソン株式会社、その後
継者、譲受人及び法定代理人に対して、売却、譲渡、移転する
ものとする。

さらに、私/私達は、セイコーエプソン株式会社（以下譲受人
と言う）が単数ないしは複数の当該発明（以下当該発明という）
に関わる特許権を、自己の名により、合衆国とその属領及び全
ての外国に於いて出願し、特許を受けること；またこの譲渡証
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署名した私/私達が、当該譲受人、その後継者、その被譲渡者、
及び法定代理人の費用負担にて、一部継続出願、継続出願、分
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または準法的訴訟手続に於いて証言を行うこと；当該発明とそ
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事実を、当該譲受人、後継者、被譲渡者、及び法定代理人に連
絡すること；そして当該譲受人、後継者、被譲渡者、及び法定
代理人が、当該発明の特許権の適切な保護、維持、権利行使す
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許出願に際し、当該譲受人、後継者、被譲渡者、及び法定代
理人に対して法的権限を付与することが望ましいと考慮するこ
とについて、可能な限り行うことを承諾する。

Assignment

For good and valuable consideration, the receipt of which is
hereby acknowledged, I/WE, the undersigned,

Yoshiharu OGATA,

who have created a certain invention for which an application for
United States Letters Patent

- ☐ executed by ME/US on even date herewith,
☐ executed by ME/US on _____, (respectively),
☒ filed on March 29, 2004 and assigned Serial No.
10/812,346,
☐ filed as International Application No. _____ filed on

and entitled:

SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE,
ELECTRONIC APPLIANCE, AND METHOD OF MANUFACTURING
A SEMICONDUCTOR DEVICE

Do hereby sell, assign and transfer to Seiko Epson Corporation,
a corporation of Japan, having a place of business at 4-1,
Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, its
successors, assigns, and legal representatives, the full and
exclusive right to said invention and said application and to any
and all inventions described in said application for the United
States, its territorial possessions and all foreign countries, and the
entire right, title and interest in and to any and all Letters Patent
which may be granted therefor in the United States, its territorial
possessions and all foreign countries; and in and to any and all
continuations-in-part, continuations, divisions, substitutes,
reissues, extensions thereof, and all other applications for Letters
Patent relating thereto which have been or shall be filed in the
United States, its territorial possessions and/or any foreign
countries, and all rights, together with all priority rights, under any
of the international conventions, unions, agreements, acts, and
treaties, including all future conventions, unions, agreements, acts,
and treaties;

Agree that Seiko Epson Corporation, hereinafter referred to as
Assignee, may apply for and receive Letters Patent for said
invention and said inventions, hereinafter referred to as said
invention, in its own name, in the United States, its territorial
possessions, and all foreign countries; and that, when requested to
carry out in good faith the intent and purpose of this assignment,
at the expense of said Assignee, its successors, assigns and legal
representatives, the undersigned will execute all
continuations-in-part, continuations, divisions, substitutes,
reissues, extensions thereof, execute all rightful oaths,
assignments, powers of attorney and other papers, testify in any
legal or quasi legal proceedings; communicate to said Assignee, its
successors, assigns or legal representatives all facts known to the
undersigned relating to said invention and the history thereof; and
generally do everything possible which said Assignee, its
successors, assigns, or legal representatives shall consider
desirable for aiding in securing, maintaining and enforcing proper
patent protection for said invention and for vesting title to said
invention and all applications for patents on said invention in said
Assignee, its successors, assigns, or legal representatives; and

そして、私／私達は、この書面により譲渡された権利や財産に影響する、如何なる譲渡、授權、抵当権、ライセンス等その他の協定も他の第三者との間で行っていないこと；下記に署名した私／私達によって、この書面に記載されている権利が所有されていることを、当該譲受人、後継者、被譲渡者、及び法定代理人に対して誓約するものである。

さらに、下記に署名した私／私達はこの譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私／私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

| | | | |
|----------------------|------------------|--|-----------------------|
| 唯一または第一発明者名 尾形 義春 | | Full name of sole or first inventor Yoshiharu OGATA | |
| 発明者の署名 尾形 義春 | 日付 2004年6月29日 | Inventor's signature Yoshiharu Ogata | Date June 29, 2004 |
| 第二共同発明者 (いる場合) | | Full name of second joint inventor, if any | |
| 第二共同発明者の署名 | 日付 | Second Inventor's signature | Date |
| 第三共同発明者 (いる場合) | | Full name of third joint inventor, if any | |
| 第三共同発明者の署名 | 日付 | Third Inventor's signature | Date |
| 第四共同発明者 (いる場合) | | Full name of fourth joint inventor, if any | |
| 第四共同発明者の署名 | 日付 | Fourth Inventor's signature | Date |
| 第五共同発明者 (いる場合) | | Full name of fifth joint inventor, if any | |
| 第五共同発明者の署名 | 日付 | Fifth Inventor's signature | Date |
| 第六共同発明者 (いる場合) | | Full name of sixth joint inventor, if any | |
| 第六共同発明者の署名 | 日付 | Sixth Inventor's signature | Date |
| 第七共同発明者 (いる場合) | | Full name of seventh joint inventor, if any | |
| 第七共同発明者の署名 | 日付 | Seventh Inventor's signature | Date |
| 第八共同発明者 (いる場合) | | Full name of eighth joint inventor, if any | |
| 第八共同発明者の署名 | 日付 | Eighth Inventor's signature | Date |